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## AMP Research 77132-01A

# AMP Research PowerStepXL Instruction Manual

Model: 77132-01A for 2018-2024 Jeep Wrangler JL (4-Door)

## 1. INTRODUCTION

The AMP Research PowerStepXL is an automatic, electric-powered running board system designed to provide convenient access to your vehicle. These steps instantly extend when a door is opened and retract out of sight when doors are closed, maintaining ground clearance and vehicle aesthetics. The PowerStepXL offers a 3-inch lower stepping surface compared to the original PowerStep, making it ideal for lifted vehicles.

**Fitment:** This product is specifically designed for 2018-2024 Jeep Wrangler JL (4-Door) models, including 4XE and Rubicon 392 variants.

The rail system is constructed from 6063 Marine grade aluminum and features an integrated bracket system with precision stainless steel pivot pins, ensuring stability and supporting up to 600 pounds.



Image 1.1: The AMP Research PowerStepXL running boards, designed for automatic deployment and retraction.

## 2. SETUP AND INSTALLATION

The AMP Research PowerStepXL is engineered for installation by individuals with mechanical aptitude. Each kit includes a vehicle-specific installation guide, a plug-n-play module, and all necessary hardware.

### 2.1. What's in the Box

- Two (2) PowerStepXL Running Boards
- Mounting Hardware Kit
- Wiring Harness and Control Module
- Installation Instructions

## 2.2. Installation Guidelines

1. **Review Instructions:** Thoroughly read the included vehicle-specific installation guide before beginning.
2. **Gather Tools:** Ensure all required tools are available.
3. **Wiring:** The wiring harness is designed for plug-and-play integration. Some users have noted that motor wire lengths may require extension for optimal control module placement. Plan accordingly and use appropriate waterproof connectors if extensions are needed.
4. **Motor Attachment:** It is recommended to attach the motors to their respective brackets before mounting the brackets to the vehicle. This can simplify alignment.
5. **Running Board Attachment:** Install the running boards as the final step. The motors will self-regulate to their full up and down positions after the vehicle doors are opened and closed several times. This self-calibration is crucial for proper board alignment.
6. **Secure Wiring:** Use high-quality zip ties to secure all wiring, ensuring it is clear of moving parts and heat sources. The provided zip ties may not always meet durability expectations.
7. **Professional Installation:** If you are not mechanically inclined, professional installation is highly recommended to ensure correct function and safety.

# INNOVATION IN MOTION.

## POWERSTEP™ XL



Image 2.1: A person using the deployed PowerStepXL to easily enter a lifted Jeep Wrangler JL.

### 3. OPERATING INSTRUCTIONS

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The PowerStepXL system operates automatically based on door activity.

#### 3.1. Automatic Deployment and Retraction

- When a vehicle door is opened, the corresponding PowerStepXL will automatically deploy to its extended position, providing a stable stepping surface.
- When all vehicle doors are closed, the PowerStepXL will retract and stow itself discreetly beneath the vehicle, improving ground clearance and maintaining the vehicle's appearance.

#### 3.2. Safety Features

- **Textured Surface:** The stepping surface is textured and slip-resistant, offering optimal traction in various weather conditions.
- **LED Lighting:** Low-profile LED lights illuminate the steps upon deployment, enhancing visibility during

nighttime use.

- **Anti-Pinch Technology:** The system incorporates 'Anti-Pinch' technology, which detects obstructions during retraction and will stop or reverse the step's movement to prevent injury or damage.



**POWERSTEP™ XL**  
**PERFECT FOR LIFTED OR TALL VEHICLES.**  
Stepping surface extends 4-inches lower.

Image 3.1: A close-up view of the textured, slip-resistant stepping surface of the PowerStepXL.

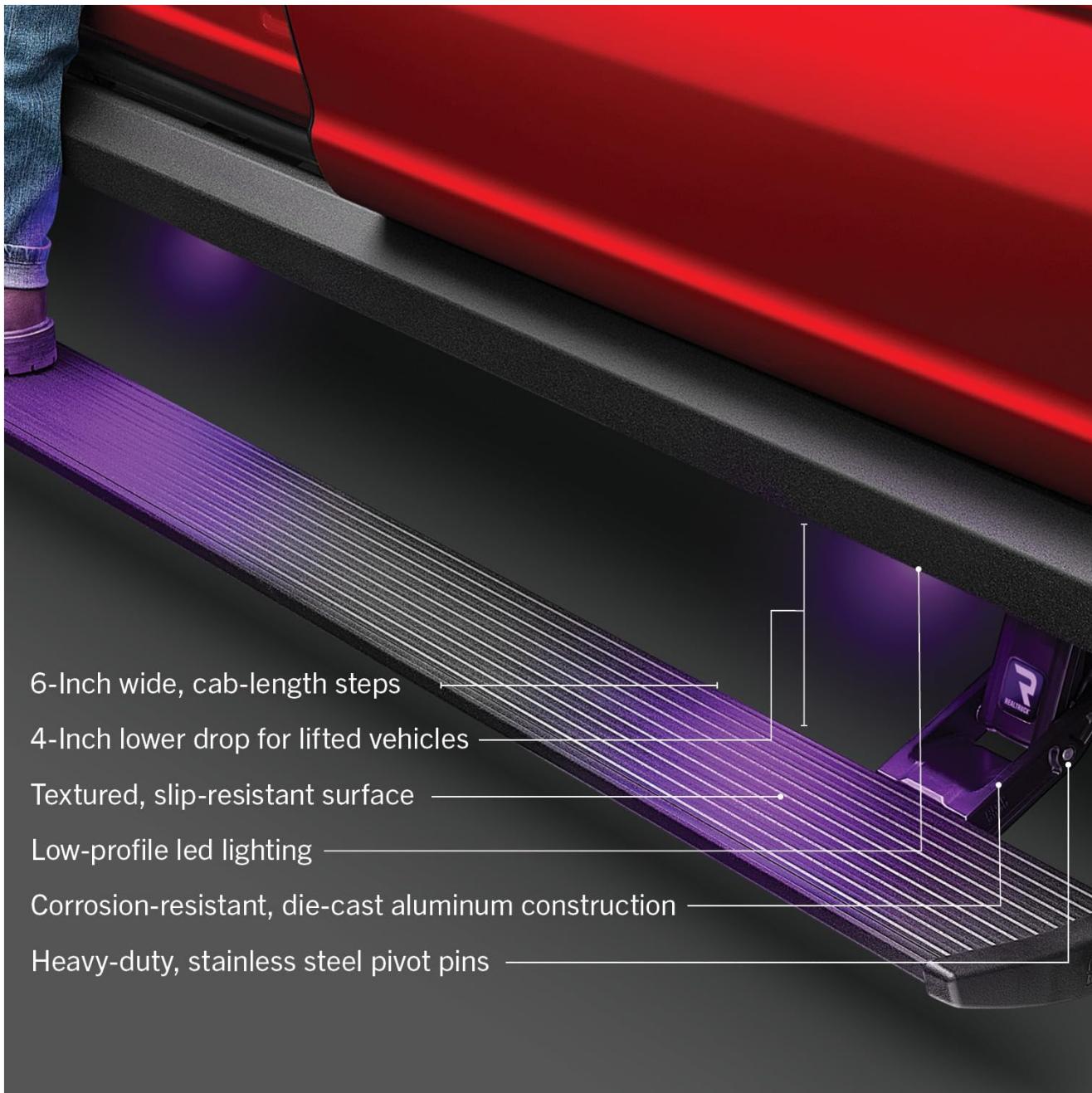


Image 3.2: Key features of the PowerStepXL, including its wide steps, lower drop, and durable construction.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and reliable operation of your PowerStepXL system.

- **Cleaning:** Periodically clean the steps and linkage mechanisms to remove dirt, mud, salt, and debris. Use a mild soap and water solution. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** Inspect and lubricate all pivot points and moving parts with a silicone-based lubricant or light grease, especially in environments with harsh weather conditions (e.g., snow, ice, road salt). This helps prevent corrosion and ensures smooth operation.
- **Inspection:** Regularly check all mounting hardware, wiring connections, and the condition of the steps for any signs of wear, damage, or looseness. Tighten any loose fasteners.
- **Electrical Components:** Ensure the control module and wiring harness connections are secure and free from corrosion or damage.

## 5. TROUBLESHOOTING

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If you encounter issues with your PowerStepXL, refer to the following common troubleshooting steps:

- **Steps Not Deploying/Retracting:**

- Check all door sensors to ensure they are functioning correctly and not obstructed.
- Verify that the main power connection to the control module is secure and receiving power.
- Inspect the wiring harness for any visible damage or disconnections.
- Ensure there are no obstructions preventing the steps from moving freely. The 'Anti-Pinch' feature will stop movement if an obstruction is detected.

- **Unusual Noises:**

- Lubricate all pivot points as described in the Maintenance section.
- Check for any loose components or debris caught in the mechanism.

- **OBD Adapter Issues:** If the system uses an OBD-II adapter for power or signal, ensure it is securely connected and functioning. In rare cases, a defective adapter may require replacement. Contact customer support if you suspect a faulty adapter.

If these steps do not resolve the issue, consult the detailed troubleshooting section in your vehicle-specific installation guide or contact AMP Research customer support.

## 6. SPECIFICATIONS

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Feature	Specification
Model Number	77132-01A
Material	6063 Marine Grade Aluminum, Stainless Steel
Color	Black
Exterior Finish	Painted
Item Dimensions (L x W x H)	73 x 11.5 x 10.5 inches
Item Weight	78 Pounds
Weight Limit	600 Pounds
Vehicle Service Type	Sport Utility Vehicle
Automotive Fit Type	Vehicle Specific Fit
UPC	815410014048

## 7. WARRANTY AND SUPPORT

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### 7.1. Warranty Information

AMP Research provides a comprehensive **5-year/60,000-mile warranty** for the PowerStepXL system. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

## **7.2. Customer Support**

For technical assistance, warranty claims, or inquiries regarding your AMP Research PowerStepXL, please contact AMP Research customer support. Refer to the contact information provided in your product packaging or visit the official AMP Research website for current support details.